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Notice of Allowability

Application No.

09/620,106

Examiner

Tam (Jenny) Phan

Applicant(s)

HIPP, CHRISTOPHER G.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment Received on 11/24/2004.
2. ☒ The allowed claim(s) is/are 1-31, 33-34, 36, and 38-42.
3. ☒ The drawings filed on 20 July 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

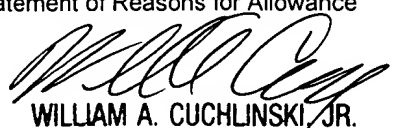
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 12/20/04;4/11/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 04292005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


WILLIAM A. CUCHLINSKI, JR.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3500

DETAILED ACTION

1. This application has been examined. Amendment received on 11/24/2004 has been entered. Claims 1-42 are previously presented.
2. Claims 1-42 are presented for examination.

Priority

3. No priority claims have been made.
4. The effective filing date for the subject matter defined in the pending claims in this application is 07/20/2000.

Information Disclosure Statement

5. An initialed and dated copy of Applicant's IDS form 1449, Received on 12/20/2004 and 4/11/2005 is attached to the instant Office action.

Examiner's Amendment

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
7. Authorization for this examiner's amendment was given in a telephone interview with Mr. Luke Pederson (Reg. No. 45,003) on 04/28/2005.
8. The Specification Page 1 Related Applications is amended as follow:

WEB SERVER NETWORK SYSTEM AND METHOD

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RELATED APPLICATIONS

The present application is related to co-pending U.S. Patent Applications: serial number 09/620,105, entitled *Single Board Web Server System and Method*, filed 10 July 20, 2000 (Attorney Docket 067856.0103); serial number 09/620,409, entitled *Data I/O System and Method*, filed July 20, 2000 (Attorney Docket 067856.0105); serial number 09/625,002, entitled *Passive Midplane System and Method*, filed July 20, 2000 15 (Attorney Docket 067856.0106); serial number 09/620,107, entitled *High Density Web Server Chassis System and Method*, filed July 20, 2000 (Attorney Docket 067856.0107); serial number 09/620,108, entitled *Data I/O Management System and Method*, filed July 20, 2000 20 (Attorney Docket 067856.0110).

9. Claims 1, 3-6, 31-32, 34-35, and 37 of the application has been amended as follows:

Claim 1 (**Currently Amended**). A data processing system, comprising:

- a plurality of web server processing cards, coupled with a midplane;
- a first network interface card coupled with each of the plurality of web server processing cards and the midplane;

- each of the plurality of web server processing cards coupled with a public network communication router over a first communication path, the public network communication router coupled to a public network and operable to route data packets to and from the web server processing cards, the first network interface card forming at least a portion of the first communication path coupling each of the plurality of web server processing cards with the

public network wherein the first network interface card is disposed along the first communication path;

each of the plurality of web server processing cards coupled with a private network communication router over a second communication path, the private network communication router coupled with at least one private processing system and operable to provide processing services upon receipt of a processing request from one of the plurality of web server processing cards wherein a second network interface card is disposed along the second communication path;

a third communication path coupling a management system and the plurality of web server processing cards wherein a third network interface card is disposed along the third communication path;

[[and]] each of the plurality of web server cards coupled with [[a]] the management system operable to monitor and manage the plurality of web server processing cards; and

wherein a portion of the second communication that couples the network interface card with the public network is entirely independent of a portion of the first communication path that couples the network interface card with the private network.

Claim 3 (**Currently Amended**). The data processing system of Claim 1, ~~further comprising: a third communication path coupling the management system and the plurality of web server processing cards; and~~ wherein the management system communicates with the web server processing cards over the third communication path.

Claim 4 (**Currently Amended**). The data processing system of Claim 1, wherein the first network interface card is ~~[[disposed along the first communication path and]]~~ operable to route the data packets between the web server processing cards and the public network communication router.

Claim 5 (**Currently Amended**). The data processing system of Claim 1, ~~[[further comprising: a second network interface card disposed along the second communication path; and]]~~ wherein the second network interface card is operable to route the processing request between one of the plurality of web server processing cards and the private network router.

Claim 6 (**Currently Amended**). The data processing system of Claim 3, ~~[[further comprising: a third network interface card disposed along the third communication path; and]]~~ wherein the third network interface card is operable to route data communications between the web server processing cards and the management system.

Claim 31 (**Currently Amended**). A data processing system, comprising:

- a plurality of web server processing cards, coupled with a midplane;
- a first network interface card coupled with each of the web server processing cards through the midplane; ~~[[and]]~~

- wherein each of the plurality of web server processing cards are coupled with a public network communication router over a first communication path, the public network communication router coupled to a public network and operable to route data packets to and from the web server processing cards, the first network interface card forming at least a portion of the first communication path coupling the web server processing cards with the public network~~[[.]]~~;

wherein each of the plurality of web server processing cards are coupled with a private network communication router over a second communication path, the private network communication router coupled with at least one private processing system and operable to provide processing services upon receipt of a processing request from one of the plurality of web server processing cards;

- a second network interface card is disposed along the second communication path;

- wherein the second network interface card is operable to route the processing request between one of the plurality of web server processing cards and the private network router;

a third network interface card coupled with the midplane; and the third network interface card is disposed along a third communication path and operable to route data communications between the web server processing cards and a management system.

Claim 32 (**Cancelled**).

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Claim 34 (**Currently Amended**). The data processing system of ~~[[Claim 32]]~~ Claim 31, wherein each of the plurality of web server processing cards are coupled with ~~[[a]]~~ the management system operable to monitor and manage the web server processing cards.

Claim 35 (**Cancelled**).

Claim 37 (**Cancelled**).

Reasons For Allowance

10. Claims 1-31, 33-34, 36, and 38-42 are allowed.

11. The claimed invention involves a data processing system, comprising: a plurality of web server processing cards, coupled with a midplane; a first network interface card coupled with each of the plurality of web server processing cards and the midplane; each of the plurality of web server processing cards coupled with a public network communication router over a first communication path, the public network communication router coupled to a public network and operable to route data packets to and from the web server processing cards, the first network interface card forming at least a portion of the first communication path coupling each of the plurality of web server processing cards with the public network wherein the first network interface card is disposed along the first communication path; each of the plurality of web server processing cards coupled with a private network communication router over a second communication path, the private network communication router coupled with at least one private processing system and operable to provide processing services upon receipt of a processing request from one of the plurality of web server processing cards wherein a second network interface card is disposed along the second communication path; a third communication path coupling a management system and the plurality of web server processing cards wherein a third network interface card is disposed along the third communication path; each of the plurality of

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web server cards coupled with the management system operable to monitor and manage the plurality of web server processing cards; and wherein a portion of the second communication that couples the network interface card with the public network is entirely independent of a portion of the first communication path that couples the network interface card with the private network.

12. The following is an examiner's statement of reasons for allowance: the limitations of a plurality of web server processing cards coupled with a midplane; a first network interface card coupled with each of the plurality of web server processing cards and the midplane wherein the first network interface card is disposed along the first communication path; a second network interface card coupled the plurality of web server processing cards with a private network wherein the second network interface card is disposed along the second communication path; and a third interface network coupled the plurality of web server processing cards with a management system wherein the third network interface card is disposed along the third communication path (defined in the present specification per Pages 9-10, Page 21 lines 2-13, Page 31 lines 2-25, Page 39 line 15-Page 40 line 10, and conformed to present drawing per Figure 1) was not taught or suggested by the Prior Art of Record *in combination with the other limitations of the independent claims*. These limitations are explained in further details in the arguments of Amendment Pages 10-16, filed on 05/25/2004.

13. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

14. Applicant's arguments, filed 11/24/2004, with respect to the double patenting rejection of the pending claims have been fully considered and are persuasive. The rejection has been withdrawn.

Terminal Disclaimer

15. The terminal disclaimer filed on 11/24/2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 6,411,506 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Conclusion

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tam (Jenny) Phan whose telephone number is (571) 272-3930. The examiner can normally be reached on M-F 9:00-5:00.

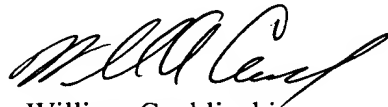
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Cuchlinski can be reached on (571) 272-3925. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



William Cuchlinski

SPE

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tp

April 29, 2005